

Appl. No. 09/351,086
Amendment and/or Response
Reply to Office action of 2 January 2004

Page 2 of 9

Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

- cl
cont
1. (Currently Amended) A method for processing video, the method comprising ~~the steps of:~~
determining an association between a first video segment including a particular feature
and at least one additional information source also including that feature; and
utilizing the association to display information from the additional information source
based at least in part on a selection by a user of the feature in the first video segment while the
video segment is displayed to the user.
 2. (Currently Amended) The method of claim 1 wherein
~~the determining the association step~~ further includes ~~the step of~~
retrieving the association from a memory.
 3. (Currently Amended) The method of claim 1 wherein
~~the determining the association step~~ further includes
determining the association from information in a portion of the video
segment.
 4. (Original) The method of claim 1 wherein
the additional information source comprises
an additional video segment also including the feature.

Appl. No. 09/351,086
Amendment and/or Response
Reply to Office action of 2 January 2004

Page 3 of 9

5. (Currently Amended) The method of claim 4 wherein
the utilizing the association step includes
switching from display of the first video segment to display of the additional
video segment also including the feature.
6. (Currently Amended) The method of claim 4 wherein
the utilizing the association step includes
displaying the additional video segment at least in part in a separate portion of
a display which also includes at least a portion of the first video segment.
7. (Original) The method of claim 1 wherein
the feature is a video feature extracted from at least one frame of the video segment.
8. (Original) The method of claim 7 wherein
the video feature comprises at least one of
a frame characterization,
a face identification,
a scene identification,
an event identification, and
an object identification.
9. (Original) The method of claim 1 wherein
the feature is an audio feature extracted from at least one frame of the video segment.
10. (Currently Amended) The method of claim 9 wherein
the utilizing the association step includes
combining an audio signal corresponding to the audio feature with an audio
signal associated with the first video segment.

Appl. No. 09/351,086
Amendment and/or Response
Reply to Office action of 2 January 2004

Page 4 of 9

11. (Currently Amended) The method of claim 9 wherein
the utilizing the association step includes
converting an audio signal corresponding to the audio feature into a textual
format which is displayed with the first video segment.
12. (Original) The method of claim 9 further including
separating at least a portion of the video segment into audio categories including one
or more of
single-voice speech,
multiple-voice speech, music,
silence and
noise
in order to extract the audio feature therefrom.
13. (Original) The method of claim 9 wherein
the audio feature comprises at least one of
a music signature extraction,
a speaker identification, and
a transcript extraction.
14. (Original) The method of claim 1 wherein
the feature is a textual feature extracted from at least one frame of the video segment.
15. (Currently Amended) The method of claim 14 wherein
the utilizing the association step includes
displaying information corresponding to the textual information as an overlay
on a display of the first video segment.

Appl. No. 09/351,086
Amendment and/or Response
Reply to Office action of 2 January 2004

Page 5 of 9

16. (Currently Amended) The method of claim 1 wherein
the determining the association step further includes
determining the association based at least in part on at least one multi-
dimensional feature vector extracted from a portion of the video segment using a feature
extraction technique.
17. (Currently Amended) The method of claim 1 wherein
the determining the association step further includes
determining the association based at least in part on at least one of a similarity
measure and a clustering technique.
18. (Currently Amended) An apparatus for processing video, the apparatus comprising:
a memory for storing an association between a first video segment including a
particular feature and at least one additional information source also including that feature;
and
a processor coupled to the memory and operative to utilize the association to direct the
display of information from the additional information source based at least in part on a
selection by a user of the feature in the first video segment while the video segment is
displayed to the user.
19. (Currently Amended) An apparatus for processing video, the apparatus comprising:
a processor operative
(i) to determine an association between a first video segment including a
particular feature and at least one additional information source also including that feature;
and
(ii) to utilize the association to display information from the additional
information source based at least in part on a selection by a user of the feature in the first
video segment while the video segment is displayed to the user.

Appl. No. 09/351,086
Amendment and/or Response
Reply to Office action of 2 January 2004

Page 6 of 9

20. (Currently Amended) An article of manufacture comprising a machine-readable medium containing one or more software programs which when executed ~~implement the steps of:~~

~~determining~~ determine an association between a first video segment including a particular feature and at least one additional information source also including that feature; and

~~utilizing~~ utilize the association to display information from the additional information source based at least in part on a selection by a user of the feature in the first video segment while the video segment is displayed to the user.

21. (Currently Amended) A method for processing video, the method comprising ~~the steps of:~~

determining from information in a portion of a first video segment an association between a particular feature of the first video segment and at least one additional information source also including that feature; and

utilizing the association to displayenable display of information from the additional information source when the first video segment is displayed.

22. (Currently Amended) An apparatus for processing video, the apparatus comprising:
a processor operative

(i) to determine from information in a portion of a first video segment an association between a particular feature of the first video segment and at least one additional information source also including that feature; and

(ii) to utilize the association to displayenable display of information from the additional information source when the first video segment is displayed.

Appl. No. 09/351,086
Amendment and/or Response
Reply to Office action of 2 January 2004

Page 7 of 9

23. (Currently Amended) An article of manufacture comprising a machine-readable medium containing one or more software programs which when executed ~~implement the steps of:~~

~~determining~~ determine from information in a portion of a first video segment an association between a particular feature of the first video segment and at least one additional information source also including that feature; and

~~utilizing~~ utilize the association to ~~displayenable display of~~ information from the additional information source when the video segment is displayed.

24. (Currently Amended) A method for processing video, the method comprising ~~the steps of:~~

C1
Conch
determining an association between (1) a portion of a video signal, the portion including a feature, and (2) at least one other information source also including the feature; and

utilizing the association to ~~displayenable display of~~ information from the other information source based at least in part on a selection by a user of the feature in the portion of the video signal while the video segment is displayed to the user.

25. (Currently Amended) A method for processing video, the method comprising ~~the steps of:~~

determining from information in a portion of a video signal an association between a feature of the video signal and at least one other information source also including that feature; and

utilizing the association to ~~displayenable display of~~ information from the other information source when the video segment is displayed.